

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P1067095

Luminaire Tested: **NAV-SA5C-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067095
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21186.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

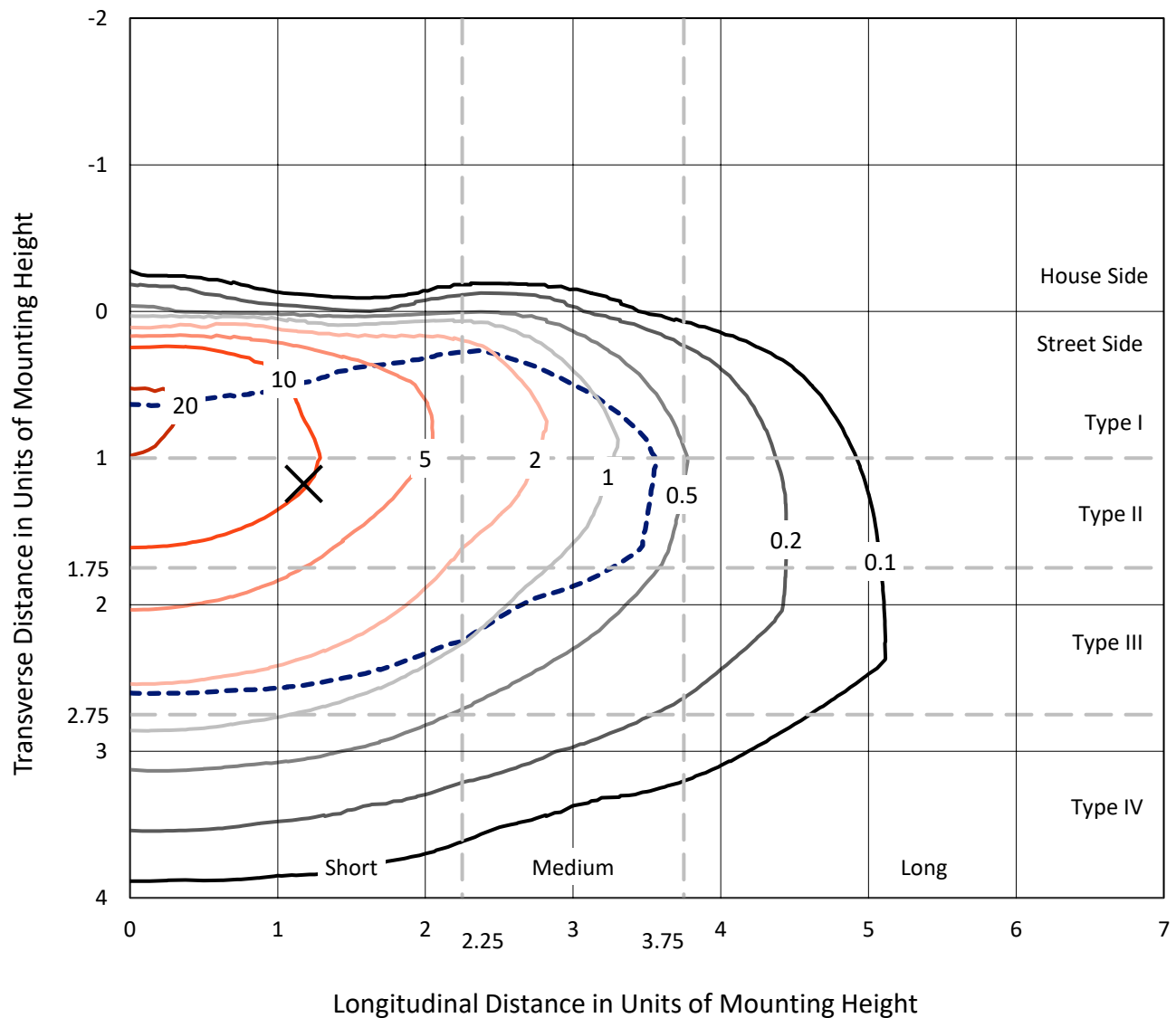


REPORT NUMBER: P1067095

CATALOG NUMBER: NAV-SA5C-827-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

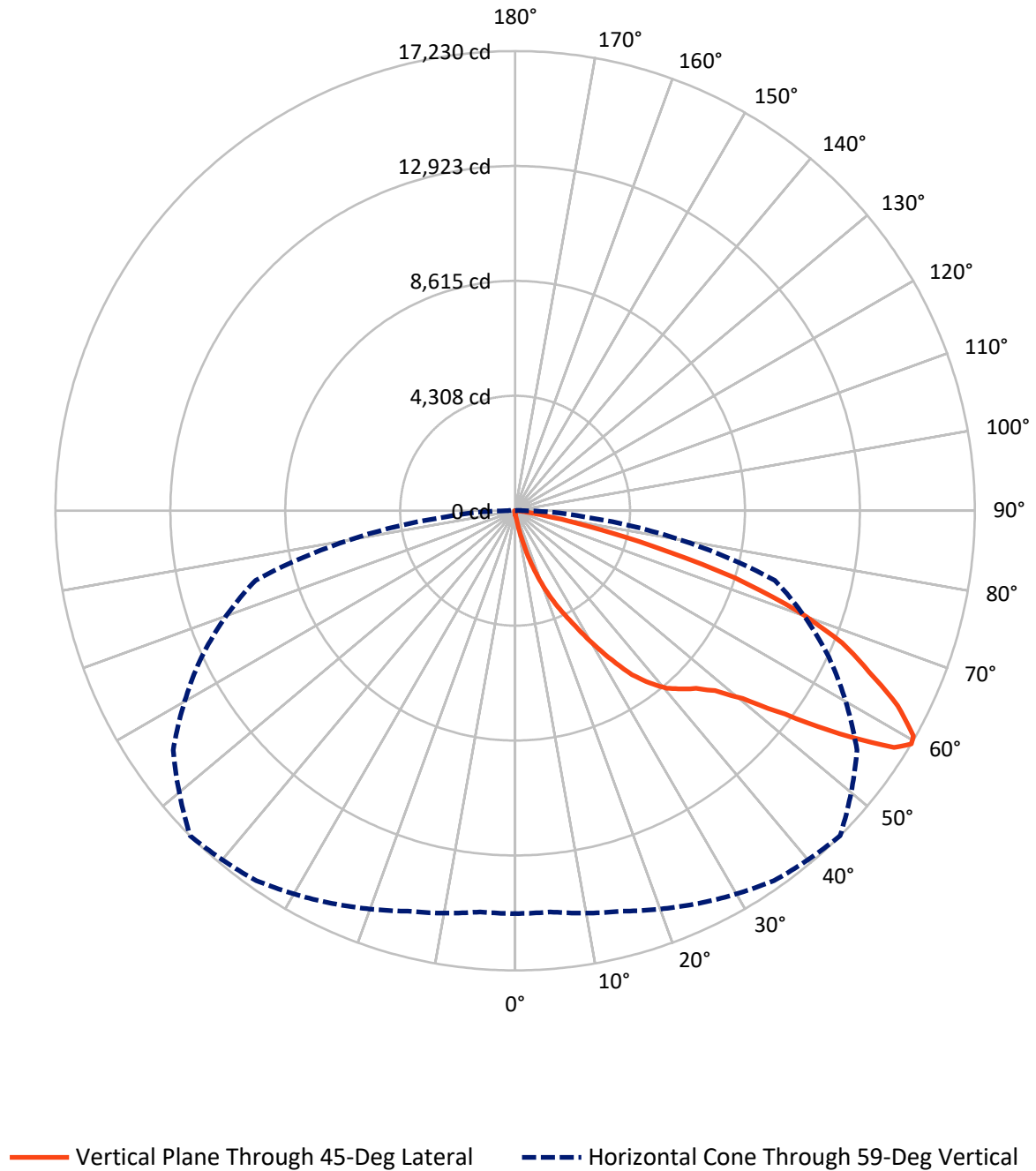


Based on 15 foot mounting height. Maximum calculated value = 23.1 fc
 Type III - Short - N/A

REPORT NUMBER: P1067095

CATALOG NUMBER: NAV-SA5C-827-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067095

CATALOG NUMBER: NAV-SA5C-827-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	75.2	0.0	75.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	21111.2	0.0	21111.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	21186.4	0.0	21186.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.1
10°-20°	234.2	1.1
20°-30°	841.4	4.0
30°-40°	1955.2	9.2
40°-50°	3332.5	15.7
50°-60°	5491.1	25.9
60°-70°	6348.9	30.0
70°-80°	2727.7	12.9
80°-90°	235.7	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21186.4	100.0
0°-180°	21186.4	100.0



REPORT NUMBER: P1067095

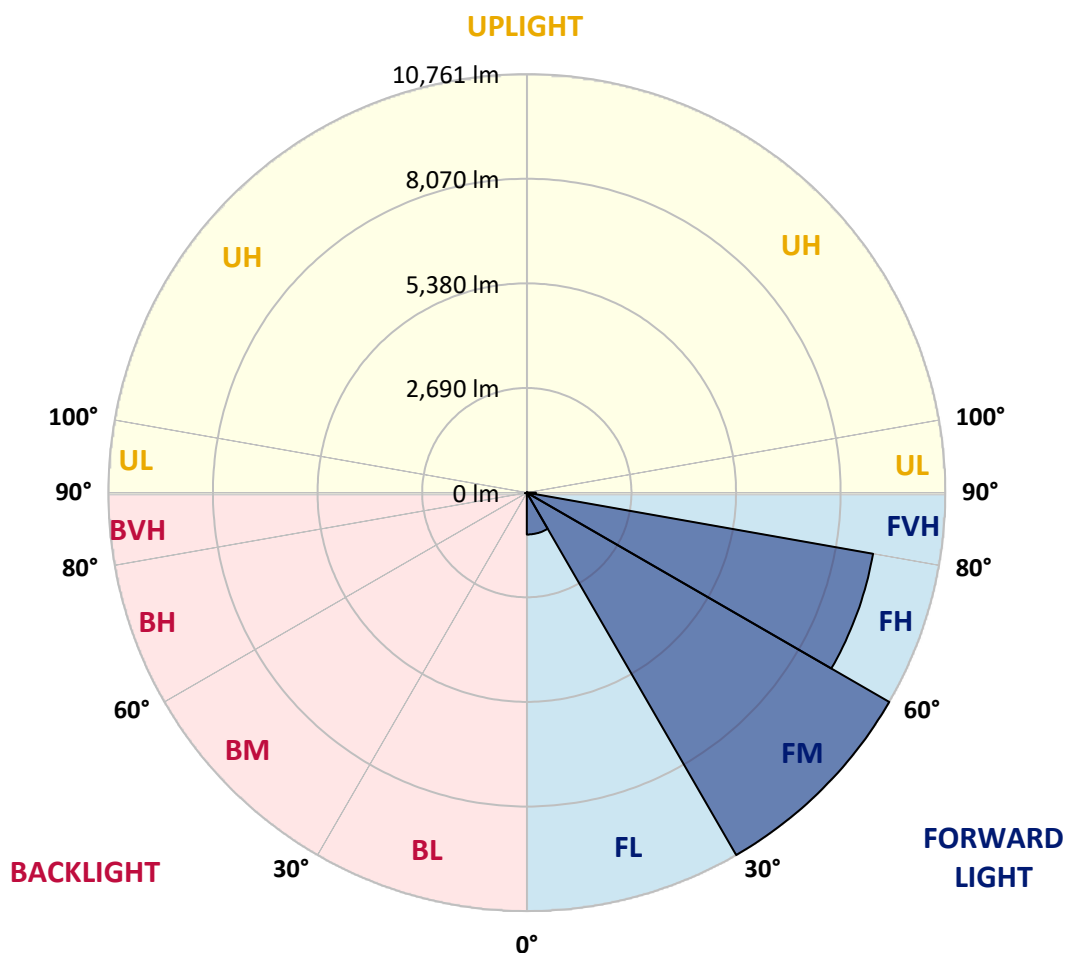
CATALOG NUMBER: NAV-SA5C-827-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1076.7	5.1			
FM	(30°-60°)	10760.6	50.8			
FH	(60°-80°)	9041.2	42.7			G4/12000
FVH	(80°-90°)	232.6	1.1			G3/500
BL	(0°-30°)	18.6	0.1	B0/110		
BM	(30°-60°)	18.2	0.1	B0/220		
BH	(60°-80°)	35.4	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type III Short





REPORT NUMBER: P1067095

CATALOG NUMBER: NAV-SA5C-827-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9
2.5°	173.8	173.8	169.5	163.8	162.4	158.1	158.1	153.9	148.2	143.9	138.2
5°	252.2	250.7	239.3	225.1	206.6	195.2	195.2	179.5	165.3	152.4	141.0
7.5°	551.3	538.5	497.2	428.8	339.1	279.2	274.9	223.7	189.5	163.8	142.5
10°	1265.0	1220.9	1162.5	998.6	737.9	515.7	505.7	326.2	226.5	176.6	145.3
12.5°	2072.8	2108.4	1991.6	1733.7	1428.9	1062.7	991.5	549.9	299.2	193.7	148.2
15°	2807.8	2799.3	2733.8	2522.9	2171.1	1683.9	1639.7	955.9	428.8	220.8	151.0
17.5°	3357.7	3347.8	3285.1	3149.7	2879.1	2391.9	2353.4	1524.3	672.4	259.3	153.9
20°	3937.5	3924.7	3836.4	3728.1	3491.6	3077.1	3031.5	2159.7	1052.8	322.0	153.9
22.5°	4632.7	4608.5	4514.5	4330.7	4081.4	3721.0	3679.7	2809.3	1524.3	424.5	161.0
25°	5473.2	5431.9	5302.3	5137.0	4836.5	4357.8	4313.6	3533.0	2092.7	579.8	168.1
27.5°	6432.0	6439.1	6263.9	5984.7	5581.5	5092.9	5010.3	4181.1	2681.1	802.0	176.6
30°	7570.2	7499.0	7252.5	6927.7	6536.0	5913.4	5833.7	4826.5	3342.1	1129.7	190.9
32.5°	8635.8	8558.9	8227.0	7818.1	7397.9	6741.1	6675.6	5551.6	3943.2	1517.2	216.5
35°	9550.4	9496.3	9031.8	8533.2	8160.0	7573.1	7553.1	6360.8	4649.8	1934.6	245.0
37.5°	10355.3	10257.0	9660.1	9143.0	8764.0	8238.4	8195.6	7101.5	5330.8	2418.9	287.8
40°	11041.9	10987.8	10259.8	9580.3	9272.6	8802.5	8748.4	7751.1	6034.5	2981.6	340.5
42.5°	11777.0	11705.8	10999.2	10237.0	9670.1	9167.2	9131.6	8286.8	6661.3	3599.9	418.8
45°	12607.5	12475.1	11855.4	11171.6	10309.7	9544.7	9504.8	8764.0	7303.8	4263.8	514.3
47.5°	13495.1	13379.7	12878.2	12398.1	11406.6	10167.2	10081.8	9170.0	7942.0	5030.2	635.4
50°	14398.2	14401.1	14025.0	13794.2	12747.2	11178.7	11057.6	9766.9	8613.0	5850.8	814.9
52.5°	15449.6	15476.7	15471.0	15300.0	14488.0	12832.6	12670.2	10673.0	9392.3	6808.1	1062.7
55°	15889.8	15938.2	16253.0	16632.0	16411.2	14929.6	14755.8	12235.7	10425.1	7875.1	1430.3
57.5°	15529.4	15583.5	16018.0	16681.8	17189.0	16765.9	16746.0	14270.0	11785.6	9168.6	2031.5
59°	15100.6	15093.4	15539.3	16243.1	16926.9	17201.8	17230.3	15646.2	12970.8	10076.1	2550.0
60°	14815.6	14821.3	15117.7	15839.9	16566.5	17043.7	17154.8	16456.8	13663.2	10728.5	2994.5
62.5°	13715.9	13781.4	14016.5	14687.4	15376.9	15909.7	16099.2	17179.0	15644.8	12269.9	4540.1
65°	12520.6	12524.9	12859.7	13433.8	14094.8	14469.5	14589.1	16055.0	16968.2	13839.8	6567.3
67.5°	10388.0	10474.9	10855.3	11785.6	12658.8	13133.2	13224.4	13975.1	16419.7	14862.7	7583.0
70°	7269.6	7383.6	7926.4	9133.0	10433.6	11212.9	11207.2	11617.5	14451.0	14406.8	6429.1
72.5°	3629.8	3826.4	4269.5	5561.6	7137.2	8360.9	8618.7	9345.3	11608.9	11966.5	4796.6
75°	1604.1	1615.5	1867.6	2518.7	3547.2	5101.4	5332.2	7417.8	8906.5	8316.7	3464.6
77.5°	933.1	941.6	987.2	1131.1	1437.4	2500.1	2759.4	4864.9	6293.8	4833.6	2259.4
80°	339.1	347.6	346.2	428.8	629.7	984.4	1096.9	2357.7	4198.2	2545.7	1183.8
82.5°	208.0	208.0	200.9	202.3	229.4	377.5	413.1	1004.3	2044.3	1253.6	339.1
85°	102.6	108.3	115.4	129.6	153.9	186.6	198.0	287.8	688.1	303.4	81.2
87.5°	61.3	62.7	68.4	82.6	102.6	133.9	142.5	195.2	246.5	203.7	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067095

CATALOG NUMBER: NAV-SA5C-827-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9
2.5°	135.3	133.9	126.8	121.1	115.4	109.7	105.4	101.1	101.1	102.6	101.1
5°	135.3	129.6	118.2	108.3	99.7	92.6	85.5	79.8	78.4	78.4	79.8
7.5°	133.9	126.8	111.1	98.3	86.9	76.9	69.8	62.7	61.3	62.7	61.3
10°	132.5	123.9	105.4	89.7	74.1	64.1	54.1	47.0	47.0	47.0	48.4
12.5°	132.5	119.7	99.7	81.2	64.1	52.7	42.7	35.6	34.2	34.2	34.2
15°	131.1	116.8	94.0	71.2	54.1	39.9	31.3	24.2	24.2	24.2	24.2
17.5°	128.2	112.5	86.9	62.7	42.7	29.9	21.4	14.2	14.2	17.1	17.1
20°	125.4	108.3	78.4	51.3	35.6	22.8	14.2	8.5	8.5	12.8	14.2
22.5°	126.8	108.3	72.7	45.6	28.5	17.1	11.4	7.1	5.7	10.0	12.8
25°	128.2	105.4	65.5	39.9	21.4	12.8	8.5	2.8	1.4	2.8	4.3
27.5°	128.2	102.6	57.0	31.3	15.7	10.0	4.3	0.0	0.0	0.0	0.0
30°	126.8	98.3	49.9	25.6	11.4	5.7	1.4	0.0	0.0	0.0	0.0
32.5°	125.4	94.0	45.6	19.9	10.0	2.8	0.0	0.0	0.0	0.0	0.0
35°	126.8	88.3	39.9	15.7	5.7	0.0	0.0	0.0	0.0	0.0	2.8
37.5°	131.1	82.6	34.2	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	136.8	78.4	28.5	10.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	148.2	78.4	25.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	162.4	78.4	21.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	180.9	79.8	18.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	203.7	82.6	17.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	220.8	79.8	15.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	250.7	76.9	14.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	290.6	72.7	14.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	330.5	67.0	14.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	376.1	64.1	12.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	621.1	57.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1199.5	54.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1938.9	54.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2038.6	54.1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1356.2	44.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	726.5	39.9	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	391.8	37.0	5.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.4	27.1	7.1	4.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	68.4	18.5	8.5	7.1	5.7	2.8	0.0	0.0	0.0	0.0	0.0
85°	32.8	14.2	11.4	10.0	7.1	4.3	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	14.2	12.8	11.4	10.0	7.1	1.4	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.2

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

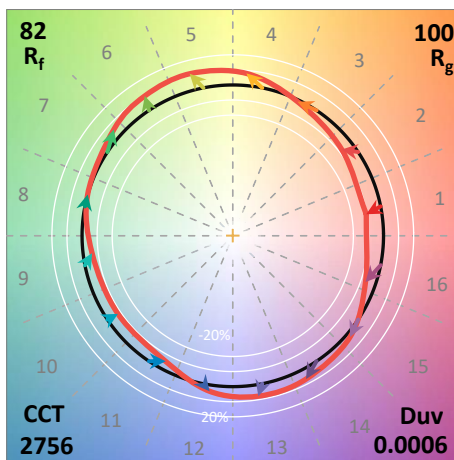
Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

TM-30-18
Summary
 $R_f = 82.2$
 $R_g = 99.9$
 CIE $R_a = 82.9$
 $R_9 = 10.8$

Color Vector Graphics


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)